

1 ABSTRACT

2 A process for initializing and booting the CPU of a
3 wireless communication device includes a sequence
4 controller, ROM, a ROM controller, a DMA controller, a
5 wireless front end, a memory, and a remote wireless host
6 which contains the download code. The sequence controller
7 causes the ROM controller initially transfers a Source, a
8 Destination and a Length to the DMA controller, which uses
9 these values to copy the ROM contents into the memory.
10 Thereafter, the sequence controller causes the CPU to start
11 executing the code that has been transferred into memory by
12 the ROM controller, and the CPU thereafter downloads the
13 operating system into memory using the wireless front end,
14 which is receiving an original and duplicate packet from the
15 remote host. Upon completion of the download, the CPU
16 executes the downloaded operating system and begins
17 operation of the device.

18